Flood Risk Management Program

US Army Corps
of Engineers

EM CoP / RXXI
Workshop
18 - 20 March 2008
Kansas City, MO

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Flood Risk Management Program

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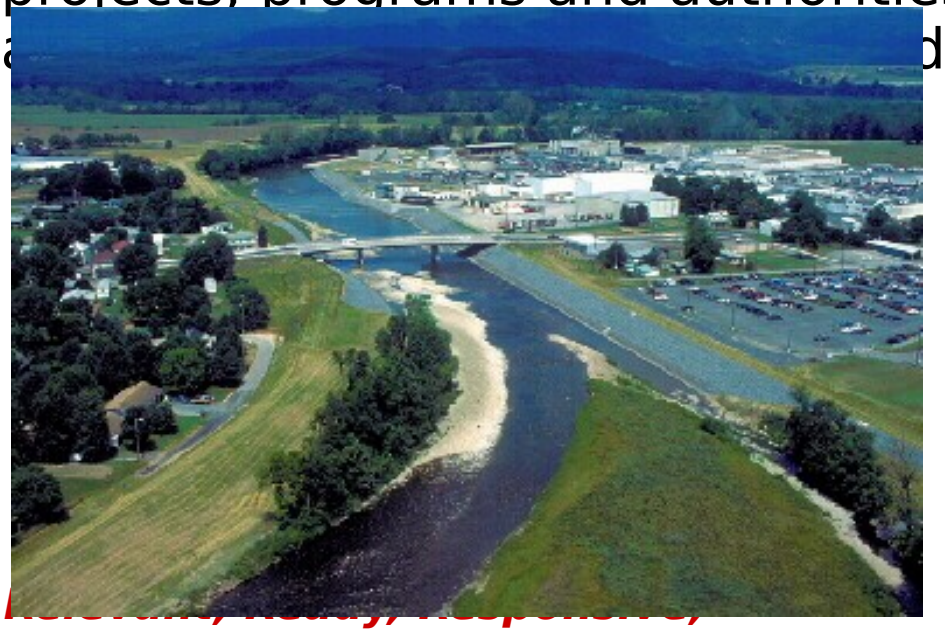
Vision: To lead collaborative, comprehensive and sustainable national flood risk management to improve public safety and reduce flood damages to our country.

Mission: To integrate and synchronize the ongoing, diverse flood risk management projects, programs and authorities of the US Army Corps of Engineers, and with counterpart projects, programs and authorities of FEMA, other Federal a d regional and local agencies.



National Flood Risk Management Program

FEMA

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Flood Risk Management Program

Strategic Goals

1. Provide current accurate floodplain information to the public and decision makers.
2. Identify and assess flood hazards posed by aging flood damage reduction infrastructure.
3. Improve public awareness and comprehension of flood risk.
4. Integrate flood damage and flood hazard reduction programs across local, State, and Federal agencies.
5. Improve capabilities to collaboratively deliver and sustain flood damage reduction and flood hazard mitigation services to the nation.

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General Riley's Flood Risk Management Focus

- Safe
- Informed
- Responsible Stakeholders and Public

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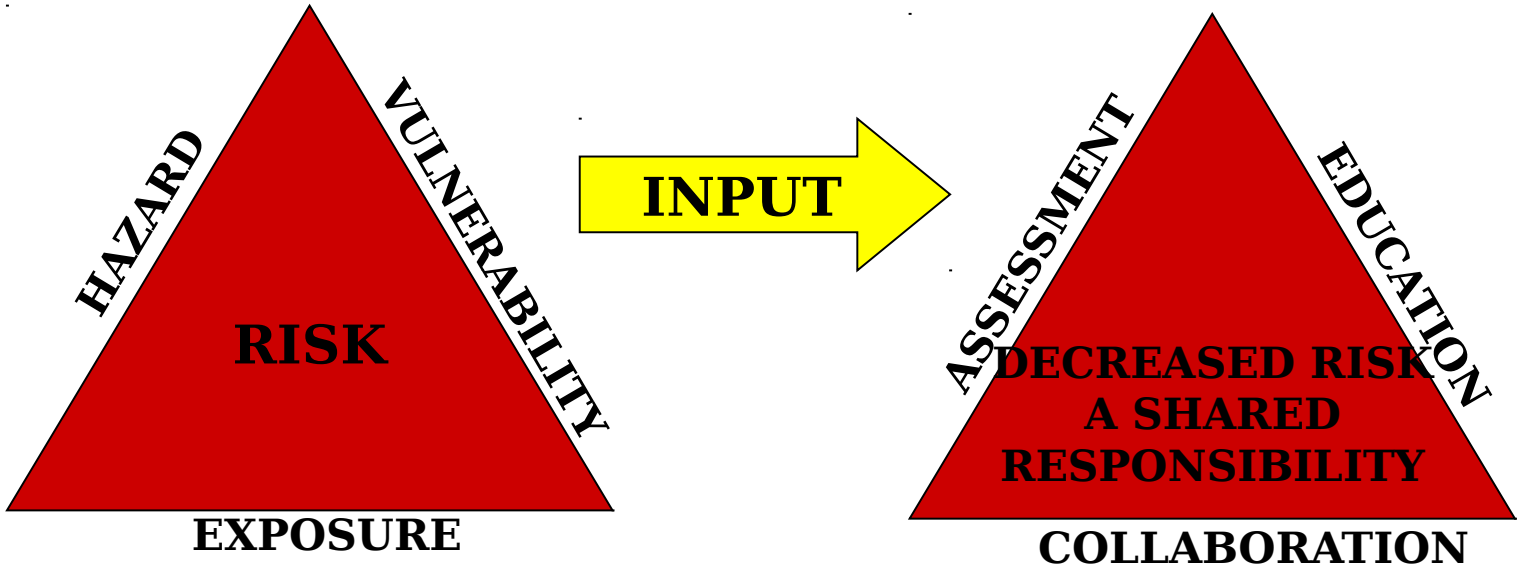
Flood Risk Management
Towards a New Paradigm



THE RISK TRIANGLE

(David Crichton, 1999)

THE RISK MANAGEMENT TRIANGLE

(In flight, 2008)

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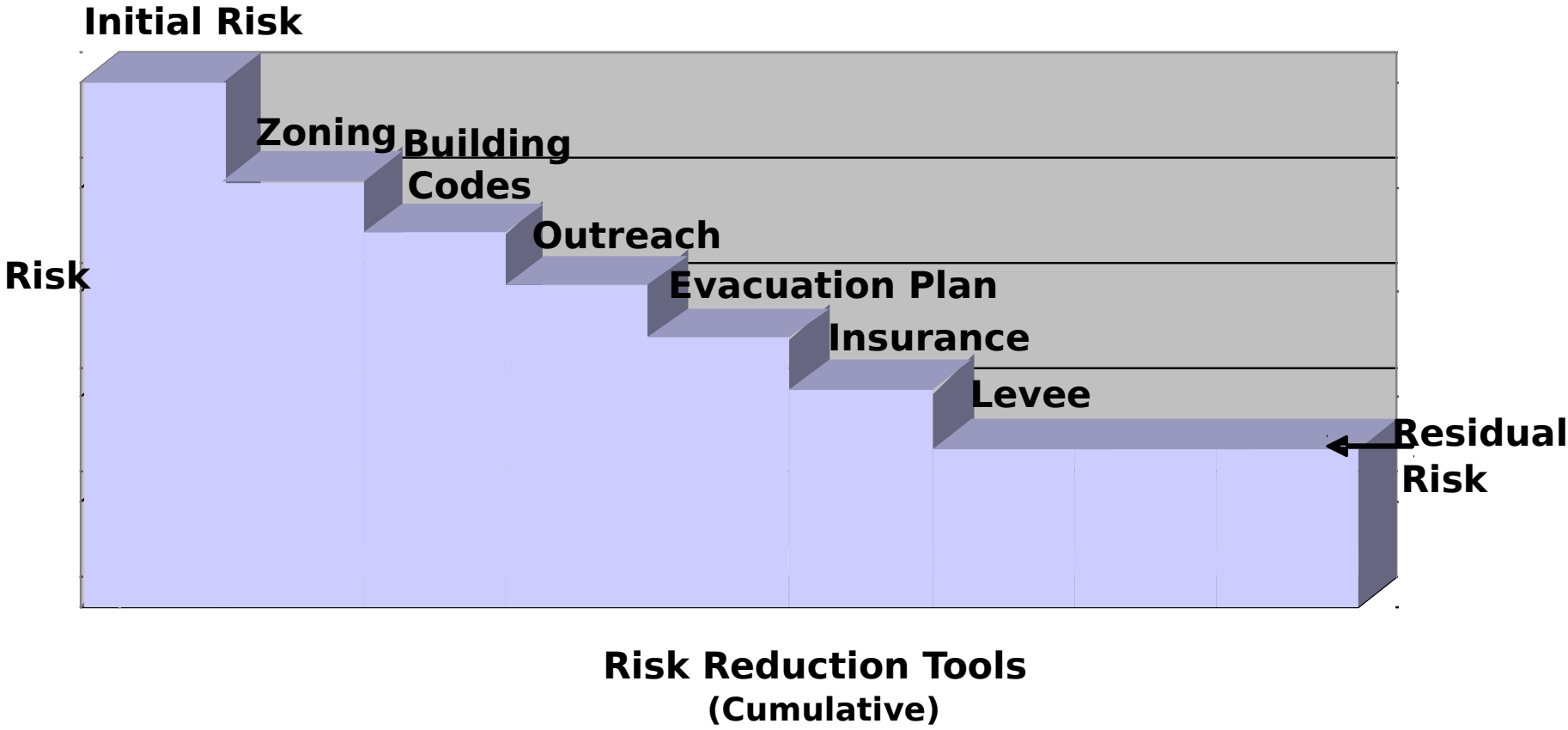
FLOOD RISK MANAGEMENT: BUYING DOWN RISK



<u>All</u> stakeholders contribute to reducing risk!

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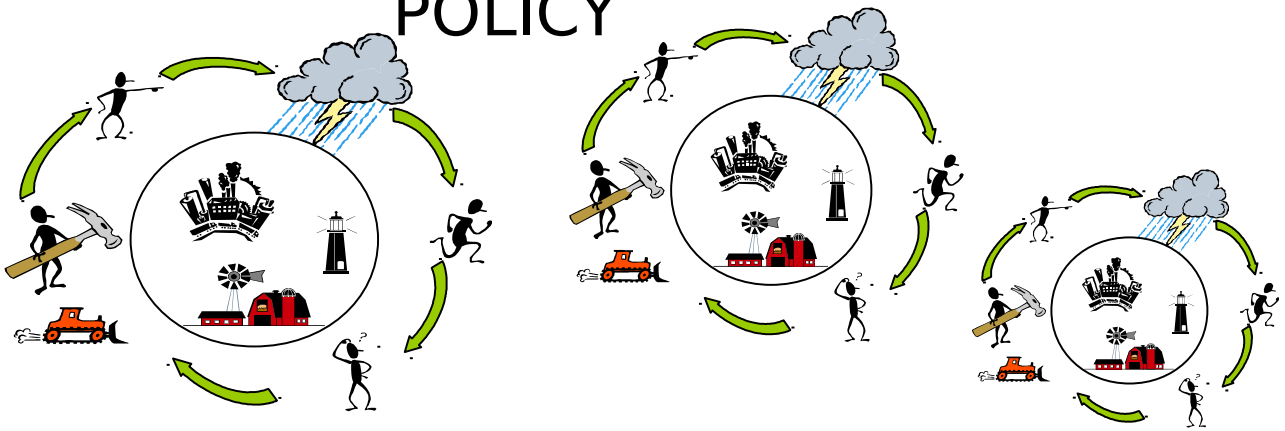
EVENTS SHAPE NATIONAL POLICY



Risk management must deal with multiple phenomenon over the long term

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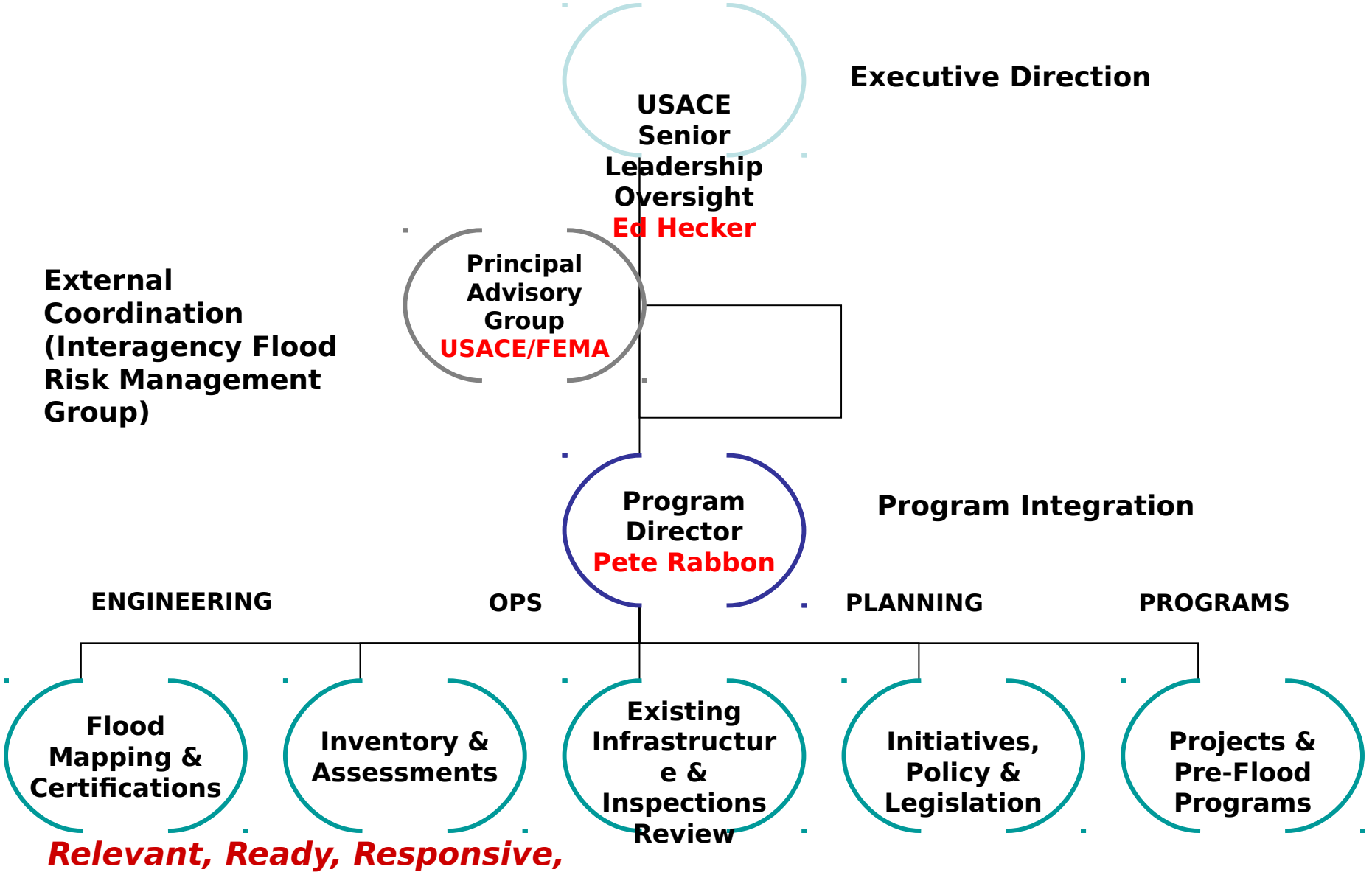

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Flood Risk Management Program

- Flood Risk Management includes”
- Flood Mapping, Certification, and FEMA Coordination
  - Collaborate with FEMA
  - Floodplain mapping
  - Map Mod oversight
  - Levee certification oversight
- Inventory and Assessments
- Database oversight
  - Levee risk methodology
  - Levee risk assessments
- Existing Infrastructure & Inspections Review
  - ICW & RIP oversight
- Initiatives Policy & Legislation
  - Communication Plan
- Projects and Pre-Flood Programs
  - FPMS, PAS, FCCE Coordination
- Congressional Liaison, Outreach

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Levee Facts – 2007 / 2008 Prioritization Guidance Memoranda

- 2007 Priorities:
  - 1st Priority – I - wall evaluations
  - 2nd Priority – Coordination, notification and reporting
  - 3rd Priority – Prioritized inspections
    - High risk
    - Routine
- 2008 Priorities:
  - 1st Priority – Complete Phase II inspection of I-wall construction
  - 2nd Priority –Conduct scheduled routine inspection of active Federal and non-Federal projects.
  - 3rd Priority – District attendance in Levee System Inspection Tool training
  - 4th Priority – Initial assessment and reporting requirements for vertical datum activities
  - 5th Priority – Continue coordination with FEMA Regions for MAPMOD and PALs

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FEMA Policy Memo 43

- Sponsor responsibility to certify levees
- Introduces Provisionally Accredited Levees (PAL.)
- USACE Inventory levees designated as ineligible for PL-84-99 assistance will be removed from the FIRM's
- Five scenarios are outlined
  - Scenario A Levee not in USACE program, no action
  - Scenario B – USACE, FIRM, Prior Certification, Acceptable rating. Eligible for PAL if believed to provide base level protection.
  - Scenario C Projects – USACE, FIRM, known deficiencies – USACE to notify owner of ineligibility in PL84-99
  - Scenario D Projects – USACE, No FIRM, no action
  - Scenario E Projects – USACE, On FIRM, Does not provide base flood protection, acceptable rating. FEMA to notify owner of ineligibility after USACE coordination

Universe of Levees

FEMA NFIP

Objective: Communicate the most current information for flood insurance purposes.

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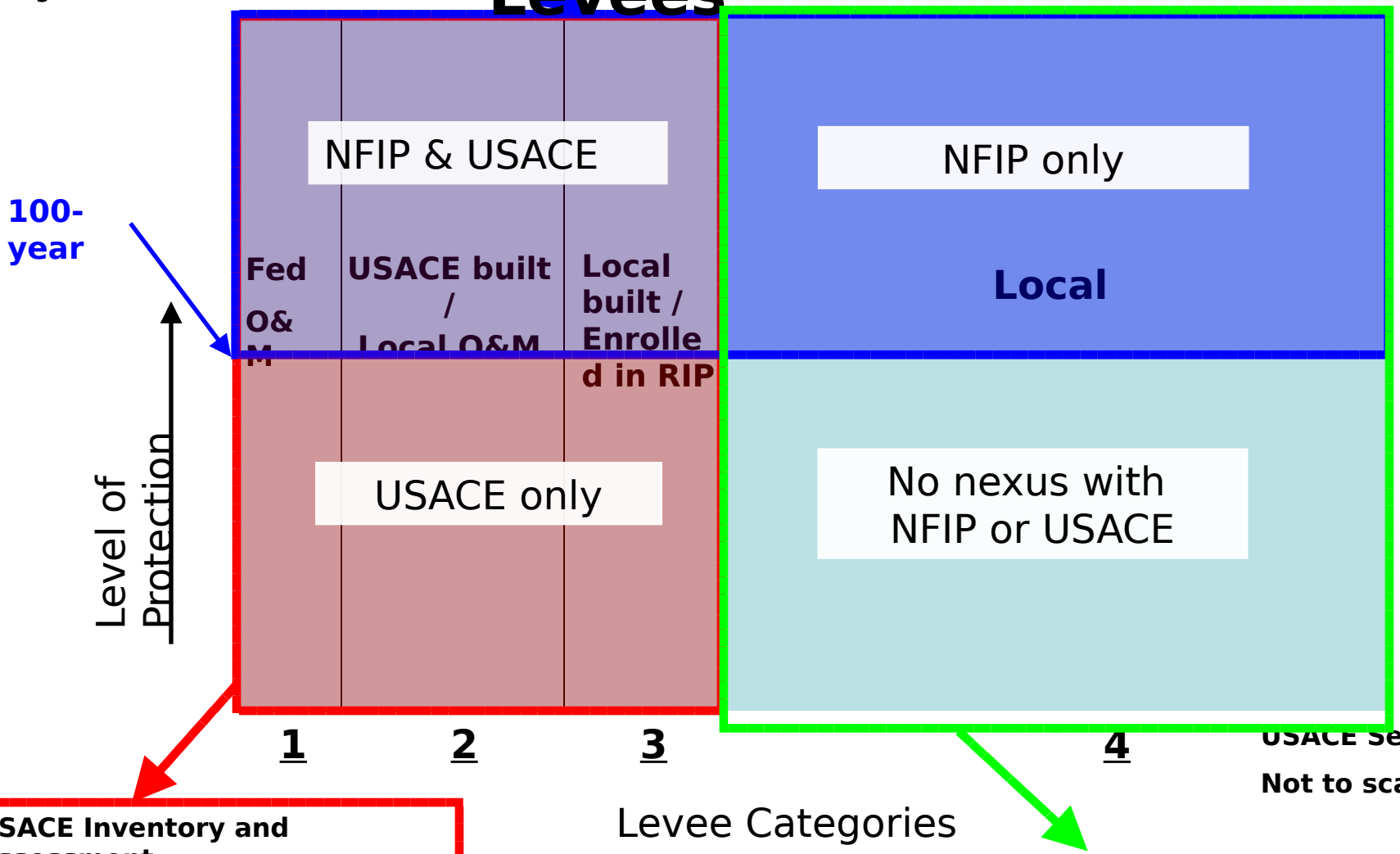

USACE Sep06

Not to scale

USACE Inventory and Assessment

Objective: **Assess** all levees in USACE programs, regardless of level of protection.

WRDA Authorities

Objective: **Inventory** all levees in nation, lead strategic plan for a National Levee Safety Program

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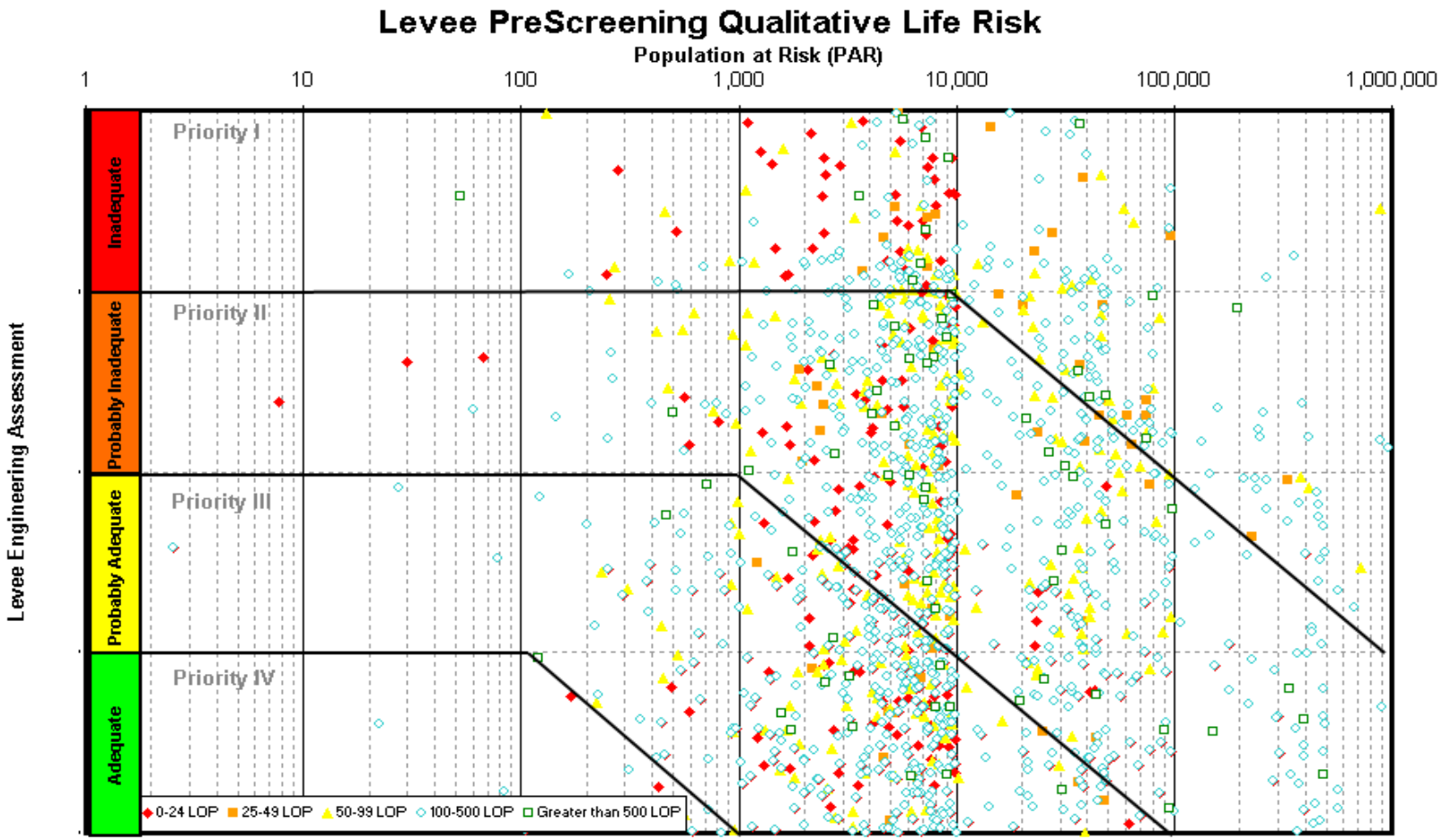
Existing Infrastructure & Inspections Review



Re

Note: Above information based on results of initial questionairre survey for District Levee Projects

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Flood Risk Management Program

Our Shared Future

- Safe and informed public that's empowered to take responsibility
- Clear national policy and standards
- Sustainable systems

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Questions, Comments, Clarifications?

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For Discussion

- Given the existing dams and reservoirs, the only other areas USACE impacts the Flood Risk Management is in the Water Management (releases before, during and after a flood event) and the levees.
- Levee Safety has a dominant role in the certification that the levee structures are via and dependable.
- Emergency Management role is in response and recovery. Advance Measures, Flood Fight in response and levee repair (rehabilitation) in recovery.